

Overview of DWR's Flood Management Activities Related to the Delta

A Briefing to the Delta Stewardship Council

September 23, 2010

Purpose of Presentation

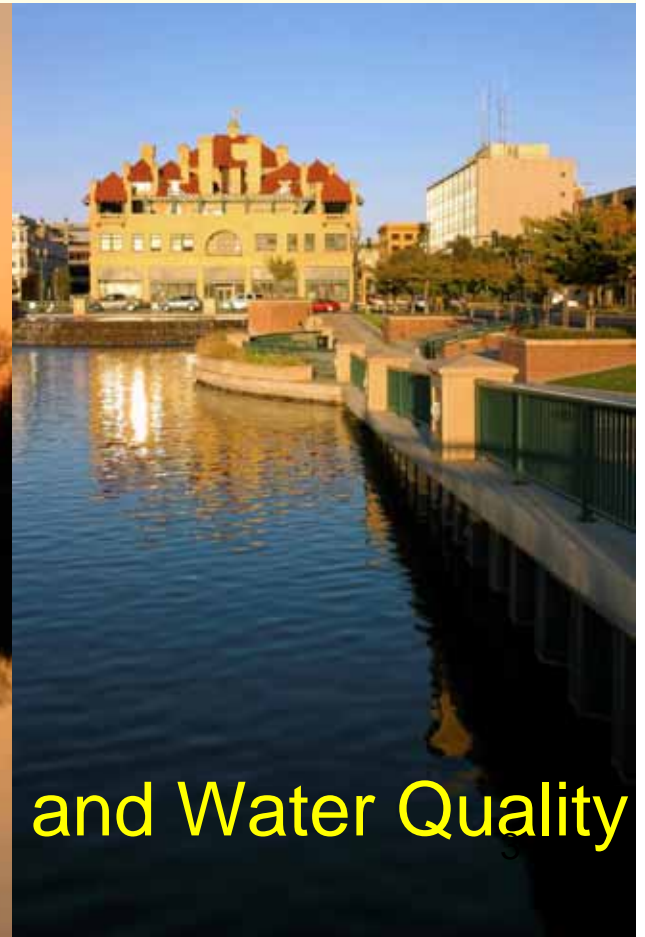
- Present an overview of DWR's flood management activities that can support content for Delta Plan
- Describe flood management context for considering changes in the Delta
- Discuss needs for additional information

Integrated Water Management

Flood Protection

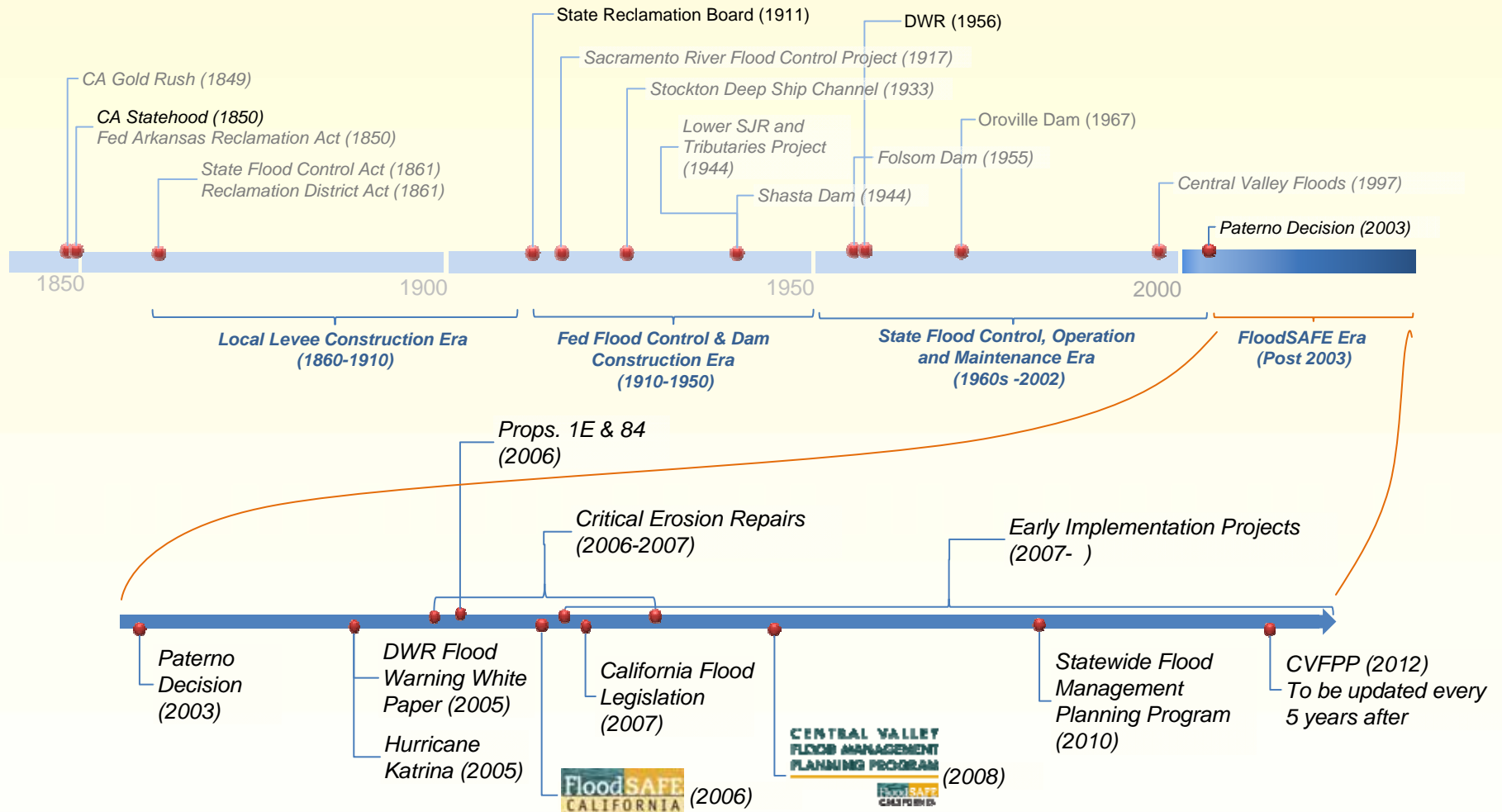
Water Supply

Ecosystem Health



and Water Quality

A Long History of System Evolution



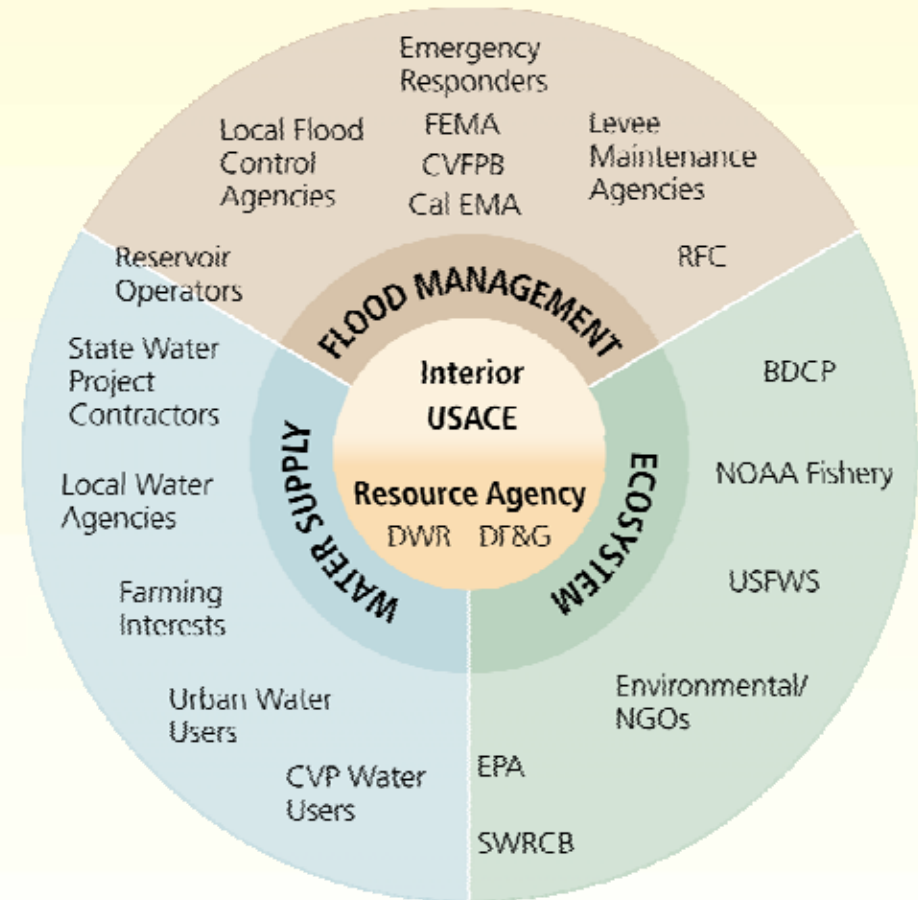
Federal, State, and Local Roles

USACE: Fed partner, traditional designer/constructor of State-Federal facilities; modifications need federal approval

CVFPB: Lead non-federal sponsor with the USACE for flood protection projects in the Sacramento-San Joaquin Valley; approves annual budget for Delta Levee Subventions Program

DWR: Manages emergency response Statewide through Standardized Emergency Management System; administers Delta Special Projects Program and Delta Levee Subventions Program for local levee maintenance

LMA's: Owner of local levees; maintains local and State-federal project levees



Supporting Information for Delta Plan

Water Code Section	Description	Information Sources
85305 (a)	Attempt to reduce risks in Delta by promoting emergency preparedness, appropriate land uses, and strategic levee investments	Central Valley Flood Protection Plan (CVFPP), Statewide Flood Management Planning Program (SFMPP), Delta Emergency Preparedness and Response Plan
85306	Priorities for state investments in levee operation, maintenance, and improvements in Delta	CVFPP and SFMPP
85307 (a)	May identify actions to be taken outside the Delta to reduce flood risks in the Delta	CVFPP and SFMPP

Supporting Information for Delta Plan (cont.)

Water Code Section	Description	Information Sources
85309	Proposal to coordinate flood and water supply operations of the SWP and CVP	CVFPP and System Reoperation Study to satisfy WC § 83002(6)(B)

Note: In order to change flood storage allocations in existing reservoirs, must go through a lengthy and rigorous federal process.

Central Valley Flood Protection Plan

- A strategic flood management plan for the Sacramento-San Joaquin Valley
 - DWR submit a draft plan to CVFPB by January 2012
 - CVFPB to adopt a plan by July 2012
 - Must be updated every 5 years after



2012 CVFPP Content

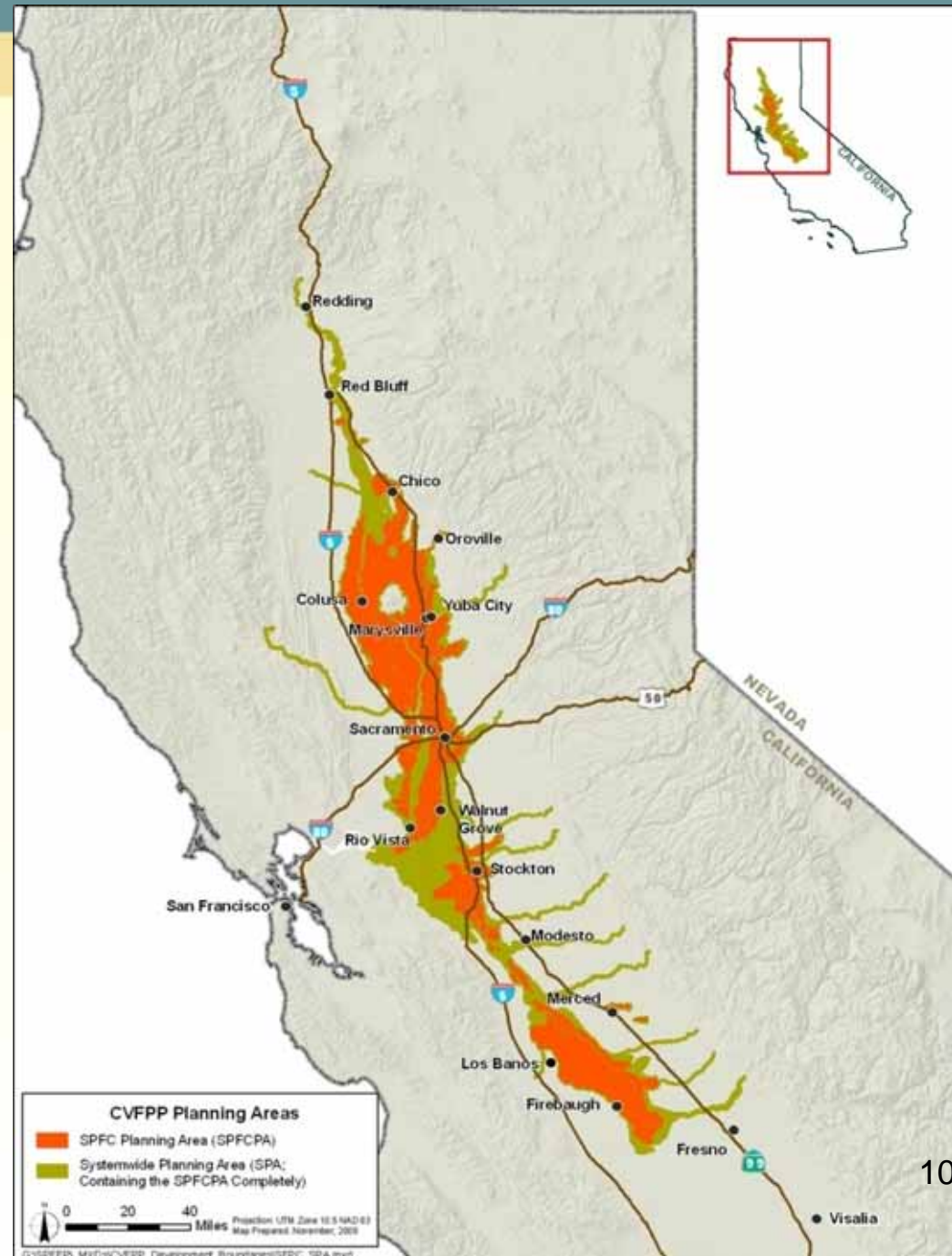
We are using a collaborative approach to:

- Define flood and related problems
- Describe system, performance and risks
- Set goals and objectives
- Identify and evaluate potential regional and system solution sets
- Define a broadly supported vision for next steps to improve the system over 20 – 30 years
- Set criteria for local compliance with urban level of flood protection

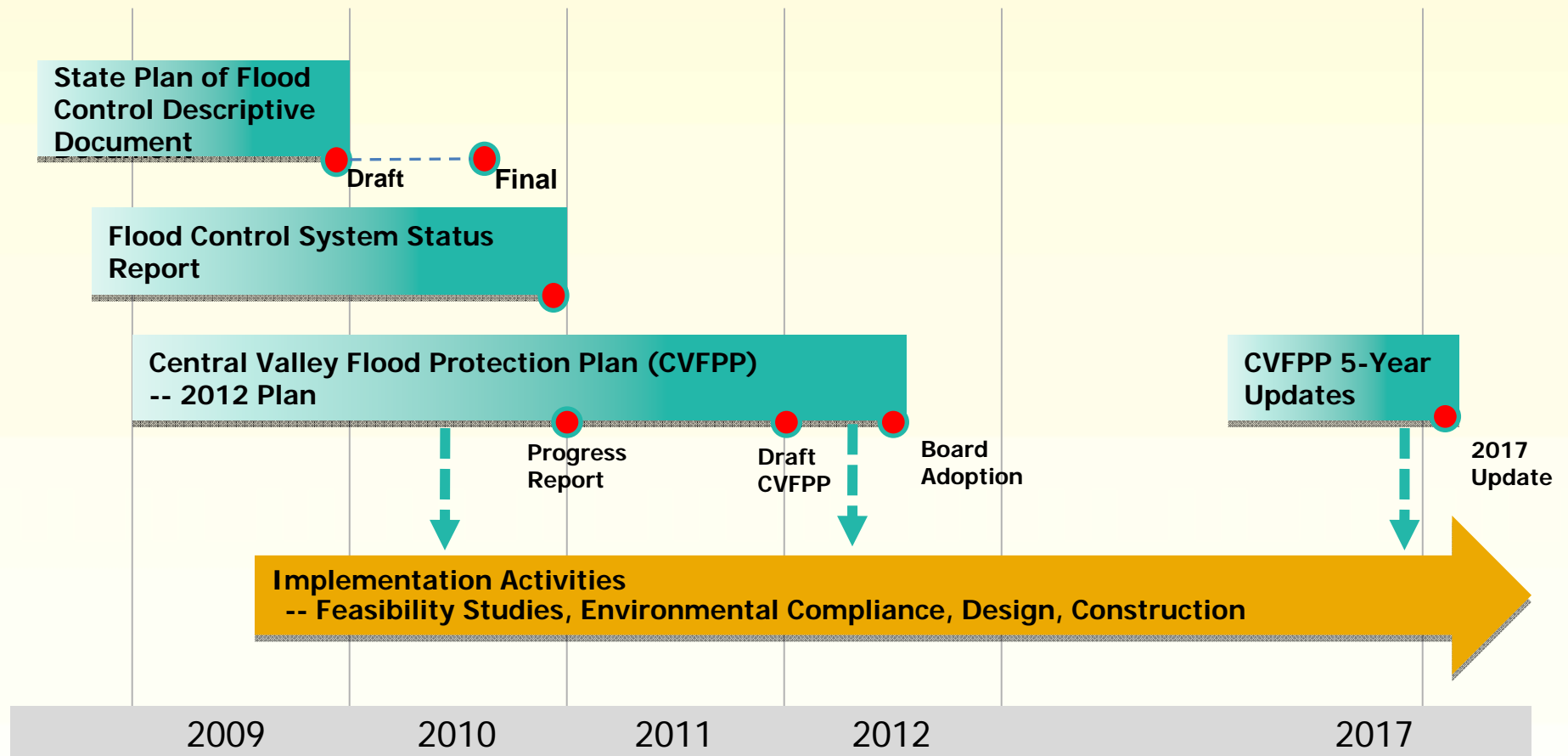


Systemwide Planning Area

The CVFPP analysis will be conducted on a system-wide basis, and include considerations of other integrated water management functions provided in the same system.

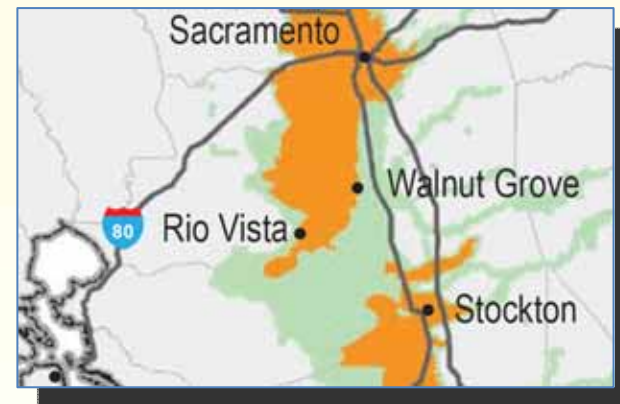


Related Documents and Schedule



Delta Considerations in the CVFPP

- All lands that receive protection from the SPFC, including lands that are also located within the legal Delta, will be evaluated for flood management improvement under the CVFPP in the same manner.
- Any impacts due to potential changes in the upstream Sacramento-San Joaquin River Flood Management System will be analyzed and addressed including impacts that occur in the Delta as a result of upstream improvement.



Delta Considerations in the CVFPP (cont'd)

- The areas in the Delta at regular risk of flooding from the tidal estuary will be evaluated and addressed through other activities
 - Other FloodSAFE programs (e.g., Statewide Flood Management Planning Program and Delta Risk Management Study)
 - Federal investigations (e.g., USACE Delta Islands Levee Feasibility Study)
- The results of the additional Delta evaluations will be incorporated into the systemwide perspective of the CVFPP

Statewide Flood Management Planning

- Including flood management considerations in California Water Plan in 2009 and 2013 updates
- Prepare *Recommendations Report for Improving Integrated Flood Management throughout California*
 - Project Launch: Fall 2010
 - Preliminary Report: Jan 2012
 - Final Report: 2014
- Developing Strategy for Delta Flood Management Investments by December 2010



Recommendations Report Content

- Characterize flood risk statewide, including the tidal flood risk in the Delta and coastal areas
- Inventory flood infrastructure and assess needs for improvements
- Estimate costs for improvement
- Develop a financing strategy for statewide improvements
- Make recommendations for future coordinated policy and actions to improve integrated flood management

More Information

<http://www.water.ca.gov/floodsafe/>

<http://www.water.ca.gov/cvfmp/>

